

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 702-010673	SERIAL NO. 09/837,537
	APPLICANT(S) Simon Lodewijk SCHARPE et al.	
	FILING DATE April 18, 2001	GROUP Art Unit 1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JRL	AA	5 5 4 3 3 9 6	08/06/1996	Powers et al.	514	19	
	AB						
	AC						
	AD						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AE							
	AF							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JRL	AG	Tanaka et al., Anti-arthritis effects of the novel dipeptidyl peptidase IV inhibitors TMC-2A and TSL-225, 1998, Immunopharmacology, Vol. 40, p 21-26
JRL	AH	Berthou et al., Le Granzyme B: Une Protéase Essentielle De La Réponse Inflammatoire, 1998, Vol. 46, p 617-624
JRL	AI	Cheng et al., Lung Endothelial Dipeptidyl Peptidase IV Promotes Adhesion and Metastasis of Rat Breast Cancer Cells via Tumor Cell Surface-associated Fibronectin, 1998, The Journal of Biological Chemistry, Vol. 273, No. 37, p 24207-24215
	AJ	Goossens et al., Distribution of Prolyl Oligopeptidase in Human Peripheral Tissues and Body Fluids, 1996, Eur. J. Clin. Chem. Clin. Biochem., Vol. 34, p 17-22
JRL	AK	Ishino et al., cDNA Cloning of Mouse Prolyl Endopeptidase and Its Involvement in DNA Synthesis by Swiss 3T3 Cells, 1998, J. Biochem., Vol. 123, p 540-545
JRL	AL	Holst et al., Inhibition of the Activity of Dipeptidyl-Peptidase IV as a Treatment for Type 2 Diabetes, 1998, Diabetes, Vol. 47, p 1663-1670
JRL	AM	Momohara et al., Elastase from polymorphonuclear leukocyte in articular cartilage and synovial fluids of patients with rheumatoid arthritis, 1997, Clinical rheumatology, Vol. 16, No. 2, p 133-140
JRL	AN	Shinguh et al., Biochemical and pharmacological characterization of FK706, a novel elastase inhibitor, 1997, European Journal of Pharmacology, Vol. 337, p 63-71
JRL	AO	Bai et al., The Involvement of Dipeptidyl Peptidase IV in Brush-border Degradation of GRF(1-29)NH ₂ by Intestinal Mucosal Cells, 1995, J. Pharm. Pharmacol., Vol. 47, p 698-701
	AP	Martin et al., Dipeptidyl peptidase IV (DPP-IV) from pig kidney cleaves analogs of bovine growth hormone-releasing factor (bGRF) modified at position 2 with Ser, Thr or Val. Extended-DPP-IV substrate specificity?, 1993, Biochimica et Biophysica Acta, Vol. 1164, p 252-260
JRL	AQ	Umemura et al., Pharmacokinetics and safety of JTP-4819, a novel specific orally active prolyl endopeptidase inhibitor, in healthy male volunteers, 1997, Blackwell Science Ltd., Vol. 43, p 613-618
JRL	AR	Shane et al., Modulation of endomorphin-2-induced analgesia by dipeptidyl peptidase IV, 1999, Brain Research, Vol. 815, p 278-286
JRL	AS	Pederson et al., Improved Glucose Tolerance in Zucker Fatty Rats by Oral Administration of the Dipeptidyl Peptidase IV Inhibitor Isoleucine Thiazolidide, 1998, Diabetes, Vol. 47, p 1253-1258
JRL	AT	Flint et al., Glucagon-like Peptide 1 Promotes Satiety and Suppresses Energy Intake in Humans, 1998, J. Clin. Invest., Vol. 101, No. 3, p 515-520

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Jeffrey E. Russell

DATE CONSIDERED

May 28, 2004

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BE							
BF							

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JN	BG	Drucker et al., Human [Gly ²]GLP-2 reduces the severity of colonic injury in a murine model of experimental colitis, 1999, The American Physiological Society, p G79-G91
JN	BH	Kotani et al., Immunohistochemical localization of dipeptidyl aminopeptidase IV in thyroid papillary carcinoma, 1992, Int. J. Exp. Path., Vol. 73, p 215-222
JN	BI	Kurkschiev et al., Successful immunomodulating in AIDS patients with ursodeoxycholic acid—a pilot study, 1999, Exp. Immunol., Vol. 115, p 144-146
JN	BJ	Lambier et al., Dipeptide-derived diphenyl phosphonate esters: mechanism-based inhibitors of dipeptidyl peptidase IV, 1996, Biochimica et Biophysica Acta, Vol. 1290, p 76-82
JN	BK	Meeser et al., Use of immobilized adenosine deaminase (EC 3.5.4.4) for the rapid purification of native human CD26/dipeptidyl peptidase IV (EC 3.4.14.5), 1996, Journal of Immunological Methods, Vol. 189, p 99-105
JN	BL	Meeser et al., In Vivo Inhibition of Dipeptidyl Peptidase IV Activity by Pro-Pro-diphenyl-phosphonate (Prodiptine), 1997, Biochemical Pharmacology, Vol. 54, p 173-179
	BM	Yoshimoto et al., Prolytroglycylpeptidase, 1998, Handbook of proteolytic enzymes, eds. Barrett et al., Academic Press, p 372-376
	BN	Retig, Fibroblast activation protein α , PAP α in Barrett <i>supra</i> , p 385-389
	BOI	Tan et al., Lysosomal Pro-X carboxypeptidase, in Barrett et al. <i>supra</i> , p 405-407
	BP	McDonald, Dipeptidyl-peptidase II, in Barrett, <i>supra</i> , p 408-411
	BQ	Bieth, Leukocyte elastase, in Barrett, <i>supra</i> , p 54-60
	BR	Farley et al., Therapeutic Protein Inhibitors of Elastase, 1997, Pharmaceutical Enzymes, ed. A. Lauwers and S. Scharpe, Marcel Dekker, Inc., p 306-326
	BS	Colman, Plasma prekallikrein and kallikrein, p 147-153
	BT	Vlasuk, Direct Factor Xa Inhibitors, p 261-283
	BU	Shafer, Direct Thrombin Inhibitors: Active-Site Inhibitors of Thrombin, p 143-157
	BV	Girard, Tissue Factor Pathway Inhibitor, p 225-260
	BW	Bank, Selective Proteolytical Cleavage of the Ligand-Binding Chains of the IL-2-Receptor and IL-6-Receptor by Neutrophil-Derived Proteinases, 1997, Cellular Peptidases in Immune Functions and Diseases, p 231-242
	BX	Chao, Human tissue kallikrein, p 97-101
	BY	Naidoo et al., The Kinin System and Neutrophils, 1997, p 187-196
	BZ	Edwards et al., Metabolism of Bradykinin by Peptidases in Health and Disease, 1997, p 111-141

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CC							
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CE								
CF								

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CG		Flad et al., Regulation of Neutrophil Activation by Proteolytic Processing of Platelet-Derived α -Chemokines, 1997, Cellular Peptidases in Immune Functions and Diseases, p 223-230
CH		Korom et al., Inhibition of CD26/Dipeptidyl Peptidase IV Activity <i>In Vivo</i> Prolongs Cardiac Allograft Survival in Rat Recipients, 1997, Transplantation, Vol. 63, p 1495-1500
CI		Neudeck, Histochemical Evaluation of Placental Dipeptidyl Peptidase IV (CD26) in Pre-eclampsia: Enzyme Activity in Villous Trophoblast Indicates an Enhanced Likelihood of Gestational Hypertensive Disorders, 1997, American Journal of Reproductive Immunology, Vol 37, p 449-458
CJ		Chappell et al., Antihypertensive effects of angiotensin-(1-7), 1998, Brazilian Journal of Medical and Biological Research, Vol. 31, p 1205-1212
CK		Kar et al., Post-proline-cleaving enzyme in normal and dystrophic human muscle, 1981, Clinica Chimica Acta, Vol. 111, p 271-273
CL		Toide et al., A Novel Prolyl Endopeptidase Inhibitor, JTP-4819 Its Behavioral and Neurochemical Properties for the Treatment of Alzheimer's Disease, 1998, Reviews in the Neurosciences, Vol. 9, p 17-29
CM		Jackson, O-p-Toluenesulfonyl-L-tyrosine, Its N-Acetyl and N-Benzoyl Derivatives, 1952, J. Am. Chem. Soc., Vol. 74, p 837-838
CN		Büchi et al., Total Syntheses of Aflatoxins M ₁ and G ₁ and an Improved Synthesis of Aflatoxin B ₁ , 1971, Journal of the American Chemical Society, Vol. 93, p 746-752
CO		Bodanszky, The Benzyloxycarbonyl Group [1.2], In the Practice of Peptide Synthesis, 2 nd ed., 1994, p 11-18
CP		Veriznikov et al., Synthesis of Alkyl and Aryl, 1967, translated from Zhurnal Obshchei Khimii, Vol. 37, No. 6, p 1355-1358, p 1281-1283
CQ		Oleksyszyn et al., Diphenyl 1-Aminoalkanephosphonates, 1979, Synthesis, p 985-986
CR		Bodanszky et al., Blocking of the α -Carboxyl Group, 1994, In The Practice of Peptide Synthesis, 2 nd ed., Springer-Verlag, Berlin and Heidelberg, p 28-29
CS		Barnes et al., Monoclonal antibodies in oncology: <i>in vivo</i> targeting for immunoscintigraphy and therapy of human malignancies, Cambridge University Press, p 222-246
CT		Belyaev, et al., A new Synthetic Method for Proline Diphenyl Phosphonates, 1995, Tetrahedron Letters, Vol. 36, p 3755-3758

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